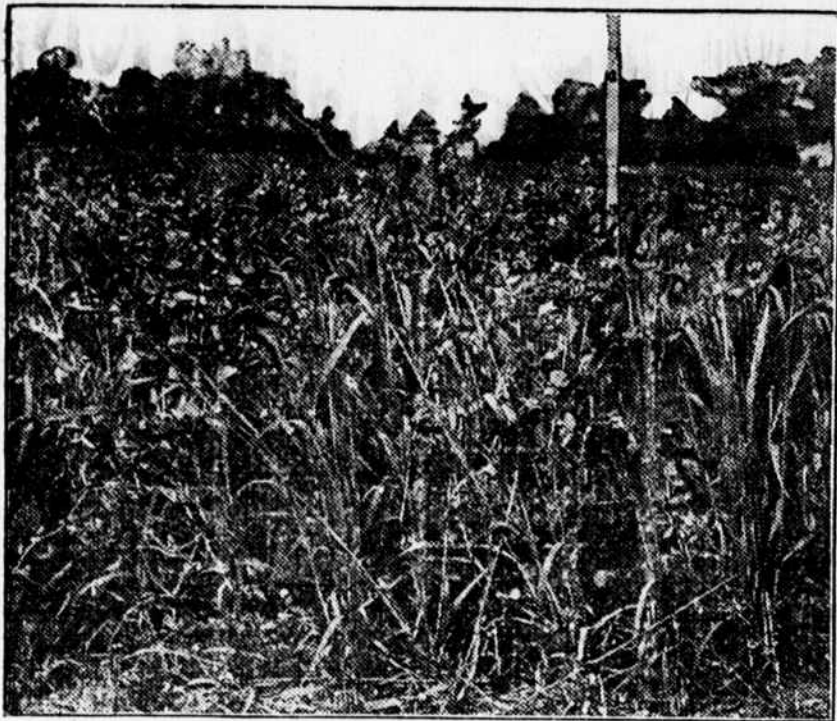


BIG VALUE OF THE LEGUMINOUS CROPS



Oats and Cowpeas Indicate Good Farming.

(By G. H. ALFORD.)

Leguminous crops have a very important place in every safe and sane system of farming. These crops possess a characteristic which makes them of the highest value to farmers. This is the power to utilize the free nitrogen of the solid air. When we examine the roots of luxuriantly growing plants, we find numerous nodules or tubercles on them. These tubercles are caused by certain organisms or bacteria in the soil. It now seems that there is a special form of bacteria for each legume grown, though some forms of bacteria in time learn to live on two or more legumes.

It is a matter of great importance to furnish the soil lacking the necessary organisms with a good supply of the right kind. There are several methods of putting the necessary bacteria in the soil. A good way of inoculating the soil is to soak the seed at planting time in water in which the soil from a field where the legume has been successfully grown for a number of years has been stirred. Another excellent way of inoculating the soil is to drill in with the seed soil in which that particular legume has been grown for a number of years. Care should be taken to keep the soil out of the sunshine from the time it is taken from the field until it is worked into the soil of the next, as the rays of the sun kill the bacteria. It is best to get the soil and apply it on a cloudy day, or late in the afternoon.

Nitrogen is the costliest element of plant food and is becoming scarcer and dearer so far as its commercial forms are concerned. This being true,

a system of farming which provides means for the collection of this valuable and costly element from the air and a medium through which it can be stored up for the use of succeeding crops is of the highest importance and utility to farmers. Experiments conducted at the Alabama station shows that a crop of pea vines grown on an acre of sandy soil of moderate fertility contained 115 pounds of nitrogen; an acre of velvet beans, 201 pounds; an acre of crimson clover, 143 pounds; and an acre of hairy vetch 202 pounds. An experiment conducted at Louisiana station showed that a crop of peanuts contained 192 pounds of nitrogen; an acre of velvet beans, 191 pounds; and an acre of cowpeas, 108 pounds. When calculated according to the scale of fertilizer valuation, the value of nitrogen exceeded the cost of a ton of ordinary complete fertilizer. The nitrogen was equivalent in amount to that contained in from 1,750 pounds to more than one ton of cottonseed meal.

The question is often asked if it is necessary to plow under the leguminous crops in order to increase the nitrogen in the soil. Of course, the per cent of fertilizer value of the fallen leaves, stems and roots of the leguminous crops left in the field at harvesting time vary. However, the fallen leaves, stems and roots usually contain from one-fifth to one-third of the manurial value of the entire plants of the leguminous crops. This being true, we are in a position to assert positively that the nitrogen in the soil will be increased by the growing of leguminous crops, even though the crop is grazed off or cut for hay.

WOULD TRAIN DOG FOR WAR PURPOSE

New York, April 22.—Organization of a movement to breed and train dogs for the use of the United States army, the American Red Cross Society or other military or relief organizations, was announced here to-day. For the purpose dog fanciers have formed the army and police dog club of the United States. Dogs also will be trained for police work. It is proposed to maintain a registry of trained canines subject to a call from army officers.

Promoters say the movement has the approval of the war department. Clubs are to be formed throughout the country where private owners can have their dogs trained and registered for national service when needed.

There are now in this country about seventy-five dogs that have been trained for use in military campaigns including French and German dogs for Red Cross work.

PRESIDENT WILSON JOINS DEMONSTRATION IN WASHINGTON

Also Watches Moving Pictures Showing Him Going to Capitol to Deliver His Message.

Washington, April 22.—President Wilson joined in a patriotic demonstration on the submarine issue here to-night. While he was occupying a box at a local theater, moving pictures showing him going to the capitol to deliver his message to congress on the question and of a submarine in action were thrown on the screen. The entire audience stood and cheered while the orchestra played the Star Spangled Banner. The president bowed several times.

Mr. Wilson joined in the applause for other pictures showing the American troops in action in Mexico.

TIREDSOME TEDDY.

Since the president didn't do what Col. Roosevelt denounced him in advance for doing on his appearance before congress with regard to the submarine question, the Colonel denounces what he did quite as justly, also what he may do, what he should do, what he could do and what he didn't do. It is all one to the Colonel, because it is the doings of another and not of himself. He finds the president's attitude toward Germany all wrong. If, he says, Germany accepts the terms laid down by Mr. Wilson, it will prove that she would have accepted them in the first instance, and all that has intervened, including the loss of lives in the submarine attacks, would have been avoided. If Germany does not comply with the terms defined in the American note that will prove that no such demand should have been made without adequate preparation, for which there has been ample time in the fourteen months since the first Lusitania note. There is something about Mexico and the shipping of ammunition across the border, the application of which is not very clear, and then the summing up in the Colonel's pointing out that he told all these things in his book, "Fear God and Take Your Own Part," not so long ago off the press as not to be a current work the reading of which ought to be made a peremptory duty of every American citizen. The Colonel is getting tiresome. Can't he write a book for his own exclusive perusal, entitled "Fear God and Hold Your Own Tongue?"—Charleston Evening Post.

PROTEST ON DANIELS

Marine Draftsmen Charge Ill Treatment.

Newport News, Va., April 22.—The American Society of Marine Draftsmen in convention here to-day adopted a resolution asking congress to investigate conditions at the New York navy yard, where it was claimed the navy department has placed incompetent and inexperienced draftsmen.

Secretary Daniels was severely criticised in speeches before the convention and the society decided to demand a statement of the secretary's policy toward draftsmen in general. It was charged that all queries on this subject had been evaded heretofore.

The convention was adjourned late to-day.

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The Lancaster News

SAD BEREAVEMENT

SEN. D. B. JOHNSON

Greenwood, April 22.—Mr. Frank Johnson, son of Senator and Mrs. D. B. Johnson, died at the Greenwood hospital after an illness of four weeks. The funeral will be conducted at Mountain Creek church Friday morning at 11 o'clock by Dr. E. J. Smith, Dr. B. H. DeMent and Rev. J. H. Manly.

Mr. Johnson succumbed to injuries received a month ago while he was hauling logs from a newly cleared field. The cart pole accidentally slipped and struck him in the head, rendering a blow that later caused paralysis. He suffered no ill effects from the wound for three weeks, having almost forgotten about it, but about ten days ago he had violent headaches and a day or two afterward his right arm was paralyzed. He was brought to the hospital immediately and an operation was performed, but surgical skill failed to save his life. He was conscious to the last.

Mr. Johnson was only 24 years old and was a very promising young man. Besides his father and mother he is survived by one brother and five sisters, all of whom have the sympathy of their many friends throughout the county.

NOTICE ADVERTISERS

Let me observe that the men who catch big fish use big fat bait and go where big fish are. Those who catch little fish use little bait and simply sit and wait. Men who are after big business use big advertising space. They know you can raise more corn on two acres than you can on one. More people see a big advertisement. If there is a picture in it more people see it—this is a picture age. Merchants who hire a store and buy a stock and sit and wait will have their shelves half full of out of date goods next year, worth only half their value. If you advertise you keep things going and get full prices for new goods.—Buster Brown

TO WIPE OUT CHOLERA AMONG WAKE SWINE

Raleigh, April 22.—F. D. Owen, United States Department of Agriculture, is beginning a campaign in Wake county to eradicate hog cholera. The entire county will be covered and Doctor Owen will give illustrated lectures in schoolhouses at night and conduct demonstrations on farms in the daytime.

The State Department of Public Instruction is showing much interest in the approaching county commencement of Edgecombe county, which is to take place April 28 on the town commons at Tarboro. Departing from the usual parade, which is wearing out, the Edgecombe people are preparing to have a pageant of North Carolina history. To the various schools of the county are assigned certain periods of North Carolina history that are to be portrayed, beginning with "Early History of North Carolina" with Indians, forest English expedition Virginia Dare, etc. The pageant will close with George Washington's famous visit to Tarboro, by the Pinetops school.

TO ATTEND REUNION

Governor and Staff Visit Rock Hill This Week.

Governor Manning returned yesterday from Scranton, where he delivered an address at the closing exercises of the school. The governor is planning to leave this week for Rock Hill, where he will attend the reunion of the Confederate veterans of South Carolina. He will be accompanied by members of the military staff.

Monday afternoon at 4 o'clock the state board of education will meet to discuss several matters. The governor will attend the meeting. The commissions for the new members of the education board have been issued from the office of the secretary of state.

The election of a superintendent of education for Charleston county will be among the most important matters to come before the board.